

Substitute for Form 1449/PTO

Complete If Known

Application Number	09/843,789
Filing Date	April 26, 2001
First Named Inventor:	J.J. Garcia-Luna-Aceves
Art Unit	2153
Examiner Name	Strange, Aaron N.

O.P.R.E.
SEP 19 2006
U.S. PATENT AND TRADEMARK OFFICE

Sheet 1 of 5

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 5

1

of

5

Attorney Docket Number

5543P002

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
AS		us-	5,088,032	2/11/1992	Bosack	
		us-	5,115,495	5/19/1992	Tsuchiya et al.	
		us-	5,774,668	6/30/1998	Choquier et al.	
		us-	6,097,718	8/1/2000	Bion	
		us-	6,115,752	9/5/2000	Chauhan	
		us-	6,130,881	10/10/2000	Stiller et al.	
		us-	6,201,794 B1	3/13/2001	Stewart et al.	
		us-	6,205,481 B1	3/20/2001	Heddaya et al.	
		us-	6,256,675 B1	7/3/2001	Rabinovich	
		us-	6,266,706 B1	7/24/2001	Brodnik et al.	
		us-	6,298,381 B1	10/2/2001	Shah et al.	
		us-	6,377,551 B1	4/23/2002	Luo et al.	
		us-	6,400,681 B1	6/4/2002	Bertin et al.	
		us-	6,601,098 B1	7/29/2003	Case et al.	
AS		us-	6,820,132 B1	11/16/2004	Puente et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
AS		WO 98/57275	12/17/1998	Kavak		
AS		WO 99/40514	8/12/1999	Farber et al.		
AS		WO 01/18641 A1	3/15/2001	McCanne et al.		

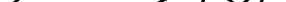
Examiner Signature		Date Considered	12-15-06
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Examiner Signature		Date Considered <i>12-19-06</i>
-------------------------------	---	---

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

SEP 19 2006

Sheet

3

of

5

Complete if Known	
Application Number	09/843,789
Filing Date	April 26, 2001
First Named Inventor:	J.J. Garcia-Luna-Aceves
Art Unit	2153
Examiner Name	Strange, Aaron N.
Attorney Docket Number	5543P002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
AS		T. Berners-Lee, "Information Management: A Proposal," CERN Document, (March 1989, May 1990)	
1		Ari Luotonen, Henrik Frystyk Nielsen, and Tim Berners-Lee. Cern httpd. http://www.w3.org/Daemon , July 1996	
		A. Heddaya and S. Mirdad, "WebWave: Globally Load Balanced Fully Distributed Caching of Hot Published Documents," Proc. IEEE 17th International Conference on Distributed Computing Systems, Baltimore, Maryland, May 1997	
		S. Gadde, M. Rabinovich, and J. Chase, "Reduce, reuse, recycle: An approach to building large Internet caches," in Proc. 6th Workshop Hot Topics in Operating Systems (HotOS-VI), Cape Cod, MA, May 1997, pp. 93-98.	
		Alex Rousskov and Duane Wessels, "Cache digests," Proceedings 3rd International WWW Caching Workshop, Manchester, England (April 17, 1998)	
		Renu Tewari, Michael Dahlin, Harrick M. Vin, and Jonathan S. Kay, "Design considerations for distributed caching on the internet," Technical report, Department of Computer Sciences, University of Texas Austin, http://www.cs.utexas.edu/users/UTCS/techreports/ (October 1998)	
		C. Parsa and J.J. Garcia-Luna-Aceves, "Improving TCP Congestion Control over Internets with Heterogeneous Transmission Media," Proc. IEEE ICNP '99, Toronto, Canada (October 31 to November 3, 1999)	
		Craig Partridge, Trevor Mendez, and Walter Milliken, "Host Anycasting Service," Network Working Group, RFC 1546 (November 1993)	
		C. Hedrick, "Routing Information Protocol," XP002233127, Network Working Group, Request for Comments: 1058 (June 1998)	
		Samrat Bhattacharjee, et al., "Application-Layer Anycasting," XP010251961, INFOCOM '97. 16th Annual Joint Conference of the IEEE Computer and Communications Societies. Driving the Information Revolution, Proceedings IEEE Kobe, Japan, pp. 1388-1396 (April 7, 1997)	
AS		J. Bound and P. Rogue, "IPv6 Anycasting Service: Minimum Requirements for end nodes," XP002192644, IETF Internet Draft, pgs. 4-6, http://www.watersprings.org/pub/id/draft-bound-anycast-00.txt (retrieved on March 8, 2002)	

Examiner Signature		Date Considered	12-19-06
--------------------	--	-----------------	----------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.
 This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Substitute for Form 1449/PTO

Complete If Known
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

SEP 19 2006

Application Number 09/843,789

Filing Date April 26, 2001

First Named Inventor: J.J. Garcia-Luna-Aceves

Art Unit 2153

Examiner Name Strange, Aaron N.

Sheet

4

of

5

Attorney Docket Number 5543P002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
AS		Lixia Zhang, Sally Floyd, Van Jacobsen, "Adaptive Web Caching," Proceedings of the 1997 NLANR Web Cache Workshop, pp. 1-9 (April 25, 1997)	
		Pablo Rodriguez, Ernst W. Biersack, and Keith W. Ross, "Improving the WWW: Caching or Multicast?," Institut EURECOM 2229, Route Computer Networks and ISDN Systems, pp. 1-17 (March 30, 1998)	
		Masato Oguchi, et al., "A Proposal for a World-Wide Web Caching Proxy Mechanism," XP000754599, Global Information Infrastructure (GII) Evolution: Interworking Issues, Interworking '96, Third International Symposium on Interworking, Nara (Japan), October 1-3, 1996, pp. 531-540 (October 1, 1996)	
		Erol Basturk, et al, "Using Network Layer Anycast for Load Distribution in the Internet," IBM Research Report, Document No. RC20938, pgs. 1 and 1-20 (July 29, 1997)	
		Paul Mockapetris, "Domain System Changes and Observations," Network Working Group, RFC 973 (January 1986)	
		Robert L. Carter, et al., "On the network impact of dynamic server selection," Computer Networks 31, pp. 2529-2558 (1999)	
		W. Simpson, "IP in IP Tunneling," RFC 1853, October 1995	
		Chu et al., "A Case for End System Multicast," Proceedings of ACM SIGMETRICS, Santa Clara, CA, pp. 1-12 (June 2000)	
		John Jannotti, et al., "Overcast: Reliable Multicasting with an Overlay Network," Proceedings of OSDI, San Diego, CA (October 2000)	
		Joe Touch, "Dynamic Internet Overlay Deployment and Management Using the X-Bone," Proceedings of IEEE ICNP, Osaka, Japan (2000)	
AS		J. Garcia-Luna-Aceves and M. Spohn, "Scalable Link-State Internet Routing," ICNP, Sixth International Conference on Network Protocols (ICNP'98), Austin, Texas, pp. 52-61 (October 14-16, 1998)	

Examiner Signature

Date Considered

12-19-06

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.
 This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

[Handwritten signature] *[Signature]* *[Handwritten initials]* *[Handwritten signature]* *[Handwritten signature]*
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1Applicant's unique citation designation number (optional). **2**Applicant is to place a check mark here if English Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.